

ABSTRACT

WIRELESS NETWORKED DEVICE INSTALLATION

5 A wireless communications system, together with devices to be clustered to make up such a system, is provided. The system operates a one-button (501) initiated installation procedure whereby a device not previously installed will determine whether it is within transmission range of a device cluster in installation mode (503-509). If so, the device adopts the cluster address and goes through a routine of selecting a device address unique within the cluster (515-519). If there is no existing cluster in installation mode, the device selects a network address different to any other within transmission range, as well as a device address (510-513). The same one-button procedure places an installed device in mode to initiate a new device to a cluster (520-524). 10 Through a periodic enrolment procedure, performed by each device in a cluster, all devices are enabled to maintain their own list of required functionalities in other devices, and to address them directly, removing any requirement for one of the devices to act as a base station. 15

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[Figure 5]

--ABSTRACT OF THE DISCLOSURE

A wireless communications system, together with devices to be clustered to make up such a system. The system operates a one-button initiated installation procedure whereby a device not previously installed will determine whether it is within transmission range of a device cluster in installation mode. If so, the device adopts the cluster address and goes through a routine of selecting a device address unique within the cluster. If there is no existing cluster in installation mode, the device selects a network address different to any other within transmission range, as well as a device address. The same one-button procedure places an installed device in a mode to initiate a new device to a cluster. Through a periodic enrolment procedure, performed by each device in a cluster, all devices are enabled to maintain their own list of required functionalities in other devices and to address them directly, thereby removing any requirement for one of the devices to act as a base station.--.